

The Steps

**Must take the sample within 2 weeks of getting canister.
Follow each step carefully to capture a good air sample.**

- ❶ Check to make sure that the canister valve is fully closed. The green knob should be turned completely clockwise. If it's not, call the office for a replacement canister. Also, check to make sure the hand written number on the canister matches the canister number on the Chain of Custody, if not please contact Molly Greenberg for replacement canisters.
- ❷ Remove the aluminum foil from around the end of the sampling cane/rain shield.
- ❸ **RECORD THE START TIME ON THE SUPPLIED CHAIN OF CUSTODY.**
- ❹ Open the canister valve completely by turning the green knob counterclockwise a little past a full turn. Be careful – do not turn the green knob so much that it falls off.
- ❺ Record the pressure from the gauge on the supplied Chain of Custody. Write down the black number that is on the outside of the circle. It should be between 28-30. If not, call Molly for replacement canister.
- ❻ Check that the pressure matches what is on the Chain of Custody.
- ❼ Wait with the canister for one hour. Watch the pressure gauge during that hour.
- ❽ When gauge is between 5-6, close the canister. This can happen before one hour is up.
- ❾ Record the pressure from the gauge, and close the canister valve by turning the green knob clockwise. Don't over-tighten.
- ❿ **RECORD THE STOP TIME ON THE SUPPLIED CHAIN OF CUSTODY.**
- ⓫ Replace the aluminum foil around the end of the sampling cane.
- ⓬ Double check to make sure that Box 4 is completely filled out.
- ⓭ Place the Chain of Custody and map in the envelope.
- ⓮ Call Molly Greenberg of Ironbound Community Corporation (973) 817-7013 x215 to arrange for pickup or delivery of the sampling canister.

Citizen Air Monitoring in Ironbound Newark (CAMPIN)



**Read this pamphlet completely before you start.
These canisters are for outdoor air sampling only.
Do not use them indoors!**

Are You Ready to Sample?

- ☐ Have you read this pamphlet completely?
- ☐ Have you seen the training video?
- ☐ Do you have the sampling canister, step stool, map and Chain of Custody?
- ☐ Do you have a pen and clipboard to write on?
- ☐ Do you have a watch for keeping track of and recording time?
- ☐ Is it going to be a dry day? Is the wind coming from the right direction? Is the day too windy?

DO NOT SAMPLE DURING A RAINFALL.

New Jersey Department of Environmental Protection
Division of Air Quality and the Office of Science



The Canister

The canister comes fully assembled. Instructions, Chain of Custody, map and other tips are included. Collect your air sample as soon as possible after receiving the canister so that the sample is returned to the laboratory by the expiration date shown on the canister.

You may be asked to collect a second sample using a second canister as part of our quality assurance and control process. Collect this second canister sample at the same time and at the same place as your first canister sample.

Do not remove the bar code or serial number labels from the canisters. Do not mark the canister or attach anything to it.

Once You Get the Canister:

- Store the canister away from lawn mowers, containers of pesticides or any open fire.
- Do not store it in your car or truck.
- Avoid getting any material such as lotion, perfume, oil, grease, herbicides or pesticides on the outside of the canister.

Handle the Canister with Care:

- The canister weighs about 5 to 6 pounds and can break if dropped or knocked against a solid object.
- Protect the thin hook at the top (sampling cane) from being bumped, and keep track of the aluminum foil at the end of the stem that you remove just before sampling.
- Consider taking a buddy with you to help with the canister and note taking, especially if you are taking two canisters on the same outing.

Paperwork and Reporting

You might have many samples to collect at different times or different spots around the neighborhood. Each canister has its own paperwork. Be prepared to complete the paperwork for each canister.

- Mark the exact sampling location on the map included in your sampling canister paperwork.
- If you decide to collect a sample at a location not on the map, record that location, including street name and number, cross streets, etc.
- Consider sending photos of the sampling site. These help us better understand the situation. Observe and record traffic congestion, idling vehicles, lawn mowing, and painting in your sampling area. Do not sample near a fire. These activities will interfere with what you want to capture.
- Remember to complete the Field Log.

Is Today the Day to Sample?

Use your judgement. Odors don't have to be the "worst ever" to get a good sample.

- Make sure wind is from the right direction.
- No wind or light steady winds are OK. Avoid strong winds.

Equipment Delivery:

Call Molly Greenberg of Ironbound Community Corporation as soon as sampling is done to make arrangements to return the canister. All samples must be analyzed by the laboratory within 30 days of the cleaning date.

Setting Up and Taking the Sample

Your job is important. Remember to carefully follow the steps outlined on the back.

The canisters come prepared to take the desired outdoor air sample. The canisters work by having less pressure inside than the pressure of the outside air, so they should be opened **ONLY** to collect the sample. Once the aluminum foil is removed from the stem and the valve is opened, outside air enters the canister. This outside air is the sample.

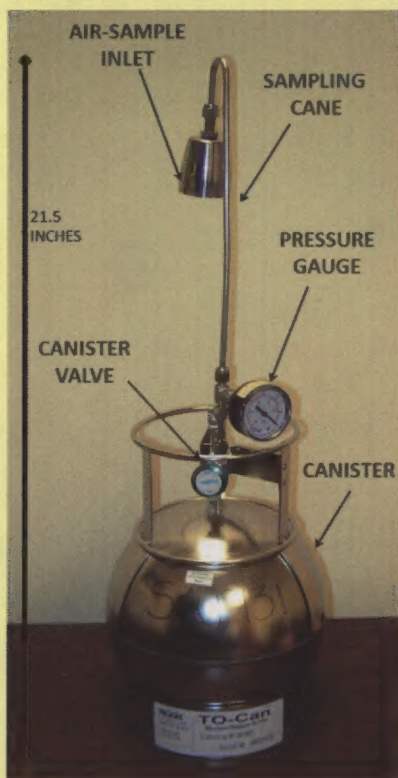
It takes about one hour to collect a good sample. You must stay with the canister for the entire time and record the data.

You will be given a step stool to lift the canister off the ground.

- Place the sampling canister securely on the top step of stool.
- Face the wind and place the canister in front of you to collect the sample.
- Nobody should be smoking anywhere in the vicinity of the sampling canister while sample is being collected.

If you accidentally open the canister, do not use it.

Call Molly Greenberg of Ironbound Community Corporation at (973) 817-7013 x215 and a replacement canister will be provided.



Questions?

Contact Molly Greenberg
(973) 817-7013 x215 or mgreenberg@ironboundcc.org